

Claims

- 5 1. An electrical connector comprising a connector body with a tubular socket to receive, in use, an electrical conductor, clamping means arranged to secure the electrical conductor within the socket, and a socket insert fitting within the socket so as to reduce the effective size of the socket, wherein the socket insert is tubular and is adapted to be deformed by the clamping means into retaining engagement with the electrical conductor.
2. A connector as claimed in Claim 1, wherein the socket insert is of aluminium.
- 10 3. A connector as claimed in Claim 1 or Claim 2, wherein the socket insert is formed with a castellated or corrugated profile.
4. A connector as claimed in Claim 3, wherein the socket insert has a castellated profile.
- 15 5. A connector as claimed in any preceding claim, wherein the internal surface of the tubular socket insert is provided with serrations or tooth-like formations.
6. A connector as claimed in any preceding claim, wherein the socket is a bore of circular cross-section.
7. A connector as claimed in any preceding claim, wherein the clamping means comprises one or more clamping bolts held in threaded bores in the connector body such that they extend into the socket so as to clamp, via the socket insert, a connector inserted therein against the opposing surface of the socket.
- 20 8. A connector as claimed in Claim 7, wherein the bolts have shearable heads which shear off when the applied torque exceeds a predetermined value.

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9. A socket insert for an electrical connector having a socket in which, in use, an electrical conductor is received, the socket insert being tubular and deformable, and having a castellated or corrugated profile.
10. A socket insert as claimed in Claim 9, which is of aluminium.
- 5 11. A socket insert as claimed in Claim 9 or Claim 10, which has a castellated profile.
12. A socket insert as claimed in any one of Claims 9 to 11, wherein the internal surface of the tubular socket insert is provided with serrations or tooth-like formations.

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